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(71) Applicant and

(72) Inventor: HARRINGTON, Juliette [NZ/AU]; 42 Balmain St, Woolloowin, Brisbane, Queensland 4030 (AU).

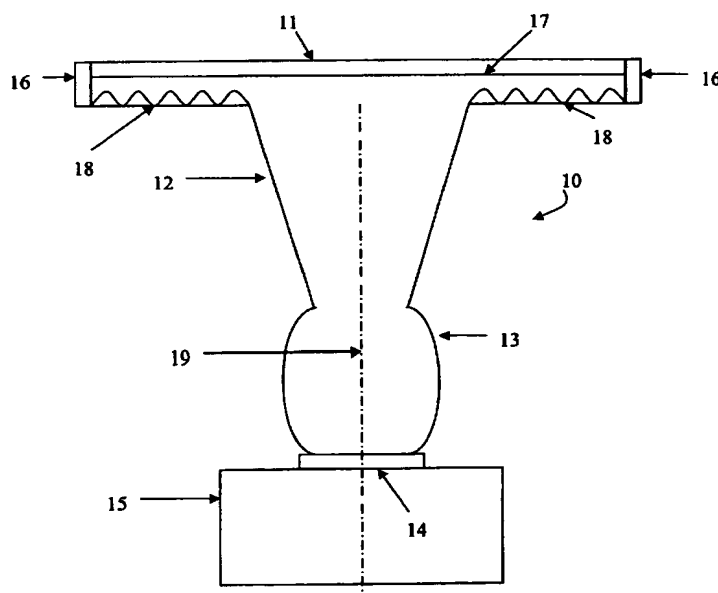
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(54) Title: SOLAR MAGNETOHYDRODYNAMIC POWER GENERATION



(57) Abstract: A multi-stage solar concentrator (10) for use in a magnetohydrodynamic (MHD) electrical power generation system or process heating applications, said concentrator including a static planar solar collector (11), a paraboloidal mirror (12) receiving photons from the planar solar collector, and a compound parabolic solar concentrator (13) receiving photons from both said planar solar collector and said paraboloidal mirror. Suitably a solar oven (15) adapted for use in a fluid circuit of the MHD system or in process heating receives concentrated solar energy from the solar concentrator (10) via a transparent window (14).